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Our File No. 92844507  
Client Reference No. N US 01146



### PATENT APPLICATION TRANSMITTAL LETTER

To the Commissioner for Patents:

Transmitted herewith for filing is the patent application of KIYOSHI SATO for THIN FILM MAGNETIC HEAD HAVING IMPROVED HEAT RADIATING PROPERTY.

Enclosed are:

- ☒ Preliminary Amendment and 4 sheets corrected drawings (corrections are marked in red ink)
- ☒ 47 pages of application (including title page and Abstract), 7 sheets of drawings and the following Appendices: N/A
- ☒ Declaration and Power of Attorney for Patent Application
- ☒ Assignment transmittal letter and Assignment of the invention to: ALPS ELECTRIC CO., LTD.
- ☒ Submission of Certified Copy of Priority Document and certified copy of Japanese Application No. 2002-212691
- ☒ Information Disclosure Statement, PTO-1449, and reference A1

| Claims as Filed                   | Col. 1    | Col. 2    |
|-----------------------------------|-----------|-----------|
| For                               | No. Filed | No. Extra |
| Basic Fee                         |           |           |
| Total Claims                      | 21-20     | 1         |
| Indep. Claims                     | 2-3       | 0         |
| Multiple Dependent Claims Present |           |           |

\*If the difference in col. 1 is less than zero, enter "0" in col. 2.

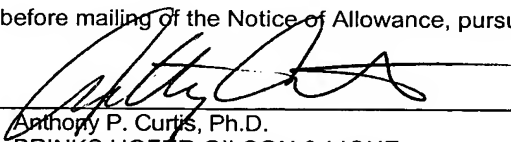
| Small Entity |        |
|--------------|--------|
| Rate         | Fee    |
|              | \$ 370 |
| x\$9=        | \$     |
| x\$42=       | \$     |
| +\$140=      | \$     |
| Total        | \$     |

| Other Than Small Entity |        |
|-------------------------|--------|
| Rate                    | Fee    |
|                         | \$ 750 |
| 1x\$18=                 | \$18   |
| x\$84=                  | \$     |
| +\$280=                 | \$     |
| Total                   | \$768  |

- ☐ Please charge my Deposit Account No. 23-1925 in the amount of \$ \_\_\_\_\_. A duplicate copy of this sheet is enclosed.
- ☒ A check in the amount of \$768.00 to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.
  - ☒ Any additional filing fees required under 37 CFR § 1.16.
  - ☒ Any patent application processing fees under 37 CFR § 1.17.
- ☐ The Commissioner is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.
  - ☐ Any filing fees under 37 CFR § 1.16 for presentation of extra claims.
  - ☐ Any patent application processing fees under 37 CFR § 1.17.
  - ☐ The issue fee set in 37 CFR § 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 CFR § 1.311(b).

Date

7/21/03

  
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Registration No. 46,193



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